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	Application No.	Applicant(s)	
Notice of Allowability	10/771,085	COBBLEY ET AL.	
	Examiner	Art Unit	
	David S. Blum	2813	
The MAILING DATE of this communication appeal claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate committee (GHTS). This application is	in this application. If not included nunication will be mailed in due cour	se. THIS
1. This communication is responsive to 11/2/05.			
2. ☑ The allowed claim(s) is/are <u>1 and 3-39</u> .			
a) ☐ Acknowledgment is made of a claim for foreign priority una ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. ☐ A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1)	e been received. e been received in Application cuments have been received of this communication to file. IENT of this application. itted. Note the attached EX es reason(s) why the oath cost be submitted. son's Patent Drawing Reviews Amendment / Comment of the cost of the comment of the cost of the comment of the cost of the co	on No ed in this national stage application e a reply complying with the require CAMINER'S AMENDMENT or NOTIC or declaration is deficient. ew (PTO-948) attached or in the Office action of the drawings in the front (not the bac	ements CE OF
each sheet. Replacement sheet(s) should be labeled as such in the first of the deposit of and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT.	sit of BIOLOGICAL MAT	ERIAL must be submitted. Note	the
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview S Paper No 98), 7. ☐ Examiner's	nformal Patent Application (PTO-15 Summary (PTO-413), ./Mail Date s Amendment/Comment s Statement of Reasons for Allowan	

Application/Control Number: 10/771,085

Art Unit: 2813

This action is in response to the amendment filed 11/02/05.

Reasons for Allowance

- 1. Claims 1 and 3-20 are allowed.
- 2. The following is an examiner's statement of reasons for allowance:

Claim 1 contains the limitation of stacking semiconductor die where a first die is picked and held by the apparatus, an adhesive is applied to a surface and while being held by the apparatus, and a second die is placed on the adhesive layer to form the die stack. This limitation, in combination with the other limitations of claim 2 is not taught or suggested by the prior art of record. Pai (US006503776B2 and US006387728B1) forms the stack by first bonding a die to a substrate and then bonding a die to the first die. Thus, the first die is not held by a pick-apparatus when the second die is bonded (stacked). Rajagopalan (US006586825B1) also stacks the die in place on the substrate.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to David S. Blum whose telephone number is (571)-272-1687) and e-mail address is David.blum@USPTO.gov.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl Whitehead Jr., can be reached at (571)-272-1702. Our facsimile number all patent correspondence to be entered into an application is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

David S. Blum

November 8, 2005